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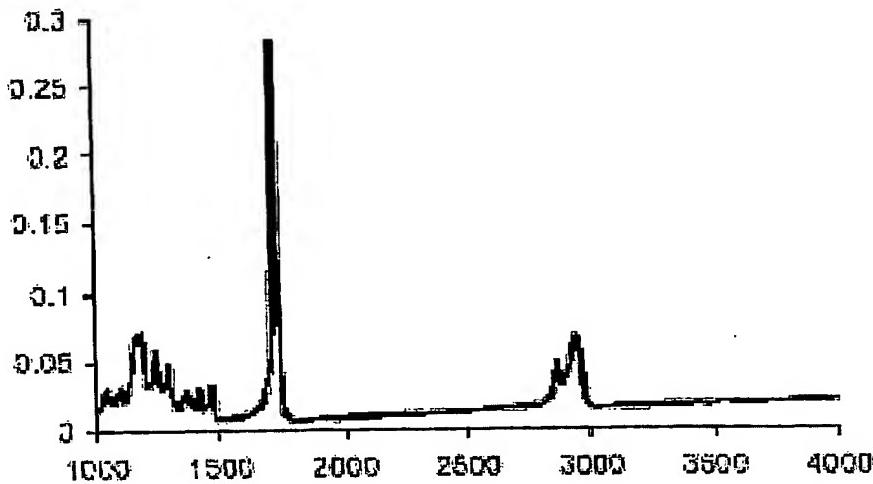
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(54) Title: SELF-CROSSLINKABLE POLY(CAPROLACTONE FUMARATE)



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(57) Abstract: Fumaric acid or a salt thereof, such as a fumaryl halide (e.g., fumaryl chloride), which contains unsaturated carbon-carbon double bonds that can be used for in situ crosslinking, is copolymerized with a biodegradable poly(caprolactone) macromer that has a flexible backbone such that the resulting copolymer may self-crosslink in the absence of a crosslinking agent. The biocompatible and bioresorbable poly(caprolactone fumarate) biomaterial is useful in the fabrication of injectable and in-situ hardening scaffolds for application in skeletal reconstruction.



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